



A BIRD'S EYE VIEW

TRAINER'S GUIDE

A Bird's Eye View



CONTENTS

IT'S ALL ABOUT BIRDS

Objective: Children will use the various types of bird beaks, body types, feet and their imagination to create their own bird species.

Background Information for Activity Leaders	1-1
Data Collection Sheet	1-3
Activity Leader's Guide	
Expedition Learning Cards (set of 3)	

WHAT'S FOR DINNER?

Objective: Children will use models of a variety of beaks to discover how shape affects function, and how function determines where a bird can live.

Background Information for Activity Leaders	2-1
Bird Food Recipes and Beak Model Instructions	2-3
Data Collection Sheet	2-4
Activity Leader's Guide	
Expedition Learning Cards (set of 3)	

BIRDS OF A FEATHER

Objective: Children will investigate the parts of a feather, and observe the differences between various types of feathers.

Background Information for Activity Leaders	3-1
Data Collection Sheet	3-3
Activity Leader's Guide	
Expedition Learning Cards (set of 3)	

A DIRTY JOB

Objective: Children will use an oil-covered feather to investigate an example of a challenge created when the needs of human populations place the natural environment at risk.

Background Information for Activity Leaders	4-1
Oil Tanker Illustration	4-3
Oil Covered Wildlife Illustration	4-4
Data Collection Sheet	4-5
Activity Leader's Guide	
Expedition Learning Cards (set of 3)	



Standards and Objectives

A Birds Eye View

	National Science Education Standards	Objectives
Its All About Birds	<p><i>The characteristics of organisms</i></p> <ul style="list-style-type: none"> Organisms can survive only in environments in which their needs can be met. Distinct environments support the life of different types of organisms. Animals have different structures that serve different functions. <p><i>Organisms and environments</i></p> <ul style="list-style-type: none"> An organism's patterns of behavior are related to the nature of that organism's environment. 	Children will use the various types of bird beaks, body types, feet and their imagination to create their own bird species.
Whats for Dinner?	<p><i>Abilities necessary to do scientific inquiry</i></p> <ul style="list-style-type: none"> Answer questions based on their own scientific investigation. Use a beak model as a tool gather data. Use data to formulate explanations. <p><i>The characteristics of organisms</i></p> <ul style="list-style-type: none"> Organisms can survive only in environments in which their needs can be met. Distinct environments support the life of different types of organisms. Animals have different structures that serve different functions. <p><i>Organisms and environments</i></p> <ul style="list-style-type: none"> An organism's patterns of behavior are related to the nature of that organism's environment. 	Children will use models of a variety of beaks to discover how shape affects function, and how function determines where a bird can live.
Birds of a Feather	<p><i>Abilities necessary to do scientific inquiry</i></p> <ul style="list-style-type: none"> Answer questions based on their own scientific investigation. Use a thermometer and a magnifier to gather data. Use data to formulate explanations. <p><i>The characteristics of organisms</i></p> <ul style="list-style-type: none"> Animals have different structures that serve different functions. <p><i>Organisms and environments</i></p> <ul style="list-style-type: none"> Humans change environments in ways that can be beneficial or detrimental for other organisms. 	Children will investigate the parts of a feather, and observe the differences between various types of feathers.
A Dirty Job	<p><i>Abilities necessary to do scientific inquiry</i></p> <ul style="list-style-type: none"> Answer questions based on their own scientific investigation Use data to formulate explanations <p><i>The characteristics of organisms</i></p> <ul style="list-style-type: none"> Animals have different structures that serve different functions. Organisms have basic needs. <p><i>Organisms and environments</i></p> <ul style="list-style-type: none"> Humans change environments in ways that can be either beneficial or detrimental for other organisms. 	Children will use an oil-covered feather to investigate an example of a challenge created when the needs of human populations place the natural environment at risk.